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=> s catheter# and polymer?  
L1 34671 CATHETER# AND POLYMER?

=> s L1 and antimicrobial? and chlorhexidine?  
L2 458 L1 AND ANTIMICROBIAL? AND CHLORHEXIDINE?

=> s l2 and solvent or (water or alcohol or tetrahydrofuran or dimethylsulfoxide or dimethylformamide or methyl(w)2(w)pyrrolidone)  
5 FILES SEARCHED...  
L3 6922294 L2 AND SOLVENT OR (WATER OR ALCOHOL OR TETRAHYDROFURAN OR DIMETHYLSULFOXIDE OR DIMETHYLFORMAMIDE OR METHYL(W) 2(W) PYRROLIDONE)

=> s l2 and (solvent or (water or alcohol or tetrahydrofuran or dimethylsulfoxide or dimethylformamide or methyl(w)2(w)pyrrolidone))  
L4 424 L2 AND (SOLVENT OR (WATER OR ALCOHOL OR TETRAHYDROFURAN OR DIMETHYLSULFOXIDE OR DIMETHYLFORMAMIDE OR METHYL(W) 2(W) PYRROLIDONE))

=> s l4 and (chlorhexidine diacetate)  
L5 59 L4 AND (CHLORHEXIDINE DIACETATE)

=> s l5 and ((anti inflammator?) or antiinflammator?)  
L6 25 L5 AND ((ANTI INFLAMMATOR?) OR ANTIINFLAMMATOR?)

=> d l6 1-25 ibib abs

L6 ANSWER 1 OF 25 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2002:504665 CAPLUS  
DOCUMENT NUMBER: 137:68241  
TITLE: **Antimicrobial** medical devices  
INVENTOR(S): Modak, Shanta M.; Sampath, Lester A.  
PATENT ASSIGNEE(S): The Trustees of Columbia University in the City of New York, USA  
SOURCE: PCT Int. Appl., 30 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002051464	A2	20020704	WO 2001-US49205	20011221
WO 2002051464	A3	20021121		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,  
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,  
UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,  
TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,  
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,  
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2002122876 A1 20020905 US 2000-746670 20001222  
CA 2432915 AA 20020704 CA 2001-2432915 20011221  
EP 1343547 A2 20030917 EP 2001-991336 20011221

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2004523267 T2 20040805 JP 2002-552605 20011221  
US 2004052831 A1 20040318 US 2003-600257 20030620

PRIORITY APPLN. INFO.: US 2000-746670 A2 20001222  
WO 2001-US49205 W 20011221

AB The present disclosure invention relates to medical devices treated with a solution comprising 1 or more solvents and a combination of **chlorhexidine** free base and a **water**-soluble **chlorhexidine** salt in a weight/weight ratio of 1:1-1:5, preferably 1:1. Thus, the drug levels of polyurethane **catheters** treated with **chlorhexidine** acetate-**chlorhexidine** (CHA) and Ag sulfadiazine (AgSD) had a significantly higher drug retention under either testing method than **catheters** treated with similar drug levels of CHA alone with AgSD.

L6 ANSWER 2 OF 25 USPATFULL on STN

ACCESSION NUMBER: 2004:226959 USPATFULL

TITLE: Silicone-based moisture absorbing matrix, particularly for caring for wounds and/or for the pharmaceutical/cosmetic treatment of skin

INVENTOR(S): Woller, Karl-Heinz, Hamburg, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004175344	A1	20040909
APPLICATION INFO.:	US 2004-472872	A1	20040423 (10)
	WO 2002-EP3227		20020322

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-114382	20010323
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ALSTON & BIRD LLP, BANK OF AMERICA PLAZA, 101 SOUTH TRYON STREET, SUITE 4000, CHARLOTTE, NC, 28280-4000	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	1570	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a silicone-based moisture absorbing matrix, particularly for caring for wounds and/or for the pharmaceutical/cosmetic treatment of skin, whereby the sticky matrix is comprised of: a) silicone; b) a gelling agent, and; c) optionally, a silicone resin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 25 USPATFULL on STN

ACCESSION NUMBER: 2004:152329 USPATFULL

TITLE: **Antimicrobial** compositions containing  
colloids of oligodynamic metals  
INVENTOR(S): Terry, Richard N., Conyers, GA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004116551	A1	20040617
APPLICATION INFO.:	US 2003-649595	A1	20030826 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-461846, filed on 15 Dec 1999, GRANTED, Pat. No. US 6716895		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-405936P	20020826 (60)
	US 2002-406343P	20020826 (60)
	US 2002-406384P	20020826 (60)
	US 2002-406496P	20020828 (60)
	US 2002-406497P	20020828 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	JOHN S. PRATT, ESQ, KILPATRICK STOCKTON, LLP, 1100 PEACHTREE STREET, SUITE 2800, ATLANTA, GA, 30309	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Page(s)	
LINE COUNT:	3507	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to **antimicrobial** compositions, methods for the production of these compositions, and use of these compositions with medical devices, such as **catheters**, and implants. The compositions of the present invention advantageously provide varying release kinetics for the active ions in the compositions due to the different **water** solubilities of the ions, allowing **antimicrobial** release profiles to be tailored for a given application and providing for sustained **antimicrobial** activity over time. More particularly, the invention relates to **polymer** compositions containing colloids comprised of salts of one or more oligodynamic metal, such as silver. The process of the invention includes mixing a solution of one or more oligodynamic metal salts with a **polymer** solution or dispersion and precipitating a colloid of the salts by addition of other salts to the solution which react with some or all of the first metal salts. The compositions can be incorporated into articles or can be employed as a coating on articles such as medical devices. Coatings may be on all or part of a surface.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 4 OF 25 USPATFULL on STN  
ACCESSION NUMBER: 2004:69604 USPATFULL  
TITLE: **Antimicrobial** medical devices  
INVENTOR(S): Modak, Shanta M., River Edge, NJ, UNITED STATES  
Sampath, Lester A., Nyack, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004052831	A1	20040318
APPLICATION INFO.:	US 2003-600257	A1	20030620 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 2001-US49205, filed on 21 Dec 2001, PENDING Continuation of Ser. No. US 2000-746670, filed on 22 Dec 2000, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	BAKER & BOTTS, 30 ROCKEFELLER PLAZA, NEW YORK, NY, 10112		

NUMBER OF CLAIMS: 64  
EXEMPLARY CLAIM: 1  
LINE COUNT: 1057  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides for **antimicrobial** medical articles prepared by a method comprising treating a surface of the medical article with a solution consisting essentially of one or more solvents and a mixture of **chlorhexidine** free base and a **water**-soluble **chlorhexidine** salt, at a weight/weight ratio of between about 1:1 to about 1:5, wherein the combined concentration of **chlorhexidine** free base and a **water**-soluble salt of **chlorhexidine** is about 2% (w/v) or greater. In alternative embodiments, the **antimicrobial** medical articles may be treated with a similar solution in which the concentrations of **chlorhexidine** free base and a **water**-soluble salt of **chlorhexidine** are each about 0.20 percent (w/v). Other embodiments include those in which the **solvent** comprises methanol, or the treatment solution further comprises a silver salt, one or more organic acids, an **anti-inflammatory** agent, and a hydrogel.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 5 OF 25 USPATFULL on STN  
ACCESSION NUMBER: 2003:282479 USPATFULL  
TITLE: Silane copolymer compositions containing active agents  
INVENTOR(S): Terry, Richard N., Conyers, GA, UNITED STATES  
Walsh, Kevin, Atlanta, GA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003198821	A1	20031023
APPLICATION INFO.:	US 2003-449977	A1	20030530 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-568770, filed on 10 May 2000, GRANTED, Pat. No. US 6596401		
	Continuation-in-part of Ser. No. US 1998-189240, filed on 10 Nov 1998, GRANTED, Pat. No. US 6329488		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	JOHN S. PRATT, ESQ, KILPATRICK STOCKTON, LLP, 1100 PEACHTREE STREET, SUITE 2800, ATLANTA, GA, 30309		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1308		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention is drawn to silane copolymers prepared from the reaction of one or more polyisocyanates with one or more lubricious **polymers** having at least two functional groups, which may be the same or different, that are reactive with an isocyanate functional group and with one or more organo-functional silanes having at least two functional groups, which may be the same or different, that are reactive with an isocyanate functional group and at least one functional group reactive with a silicone rubber substrate. The silane copolymers of the invention can be used as coatings that are elastic when dry, lubricious when wet, and resist wet abrasion. These copolymers are useful as coatings for polysiloxane (rubber) and other difficult to coat substrates, especially for medical devices, such as **catheters**. These silane copolymers can contain active agents such as **antimicrobials**, pharmaceuticals, herbicides, insecticides, algacides, antifoulants, and antifogging agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 6 OF 25 USPATFULL on STN

ACCESSION NUMBER: 2003:197010 USPATFULL  
TITLE: Silane copolymer compositions containing active agents  
INVENTOR(S): Terry, Richard N., Conyers, GA, United States  
Walsh, Kevin, Atlanta, GA, United States  
PATENT ASSIGNEE(S): C. R. Bard Inc., Murray Hill, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6596401	B1	20030722
APPLICATION INFO.:	US 2000-568770		20000510 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1998-189240, filed on 10 Nov 1998, now patented, Pat. No. US 6329488		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Dawson, Robert		
ASSISTANT EXAMINER:	Robertson, Jeffrey B.		
LEGAL REPRESENTATIVE:	Kilpatrick Stockton LLP		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	7		
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)		
LINE COUNT:	1332		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention is drawn to silane copolymers prepared from the reaction of one or more polyisocyanates with one or more lubricious **polymers** having at least two functional groups, which may be the same or different, that are reactive with an isocyanate functional group and with one or more organo-functional silanes having at least two functional groups, which may be the same or different, that are reactive with an isocyanate functional group and at least one functional group reactive with a silicone rubber substrate. The silane copolymers of the invention can be used as coatings that are elastic when dry, lubricious when wet, and resist wet abrasion. These copolymers are useful as coatings for polysiloxane (rubber) and other difficult to coat substrates, especially for medical devices, such as **catheters**. These silane copolymers can contain active agents such as **antimicrobials**, pharmaceuticals, herbicides, insecticides, algacides, antifoulants, and antifogging agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 7 OF 25 USPATFULL on STN

ACCESSION NUMBER: 2003:187344 USPATFULL  
TITLE: Particle immobilized coatings and uses thereof  
INVENTOR(S): Guire, Patrick E., Eden Prairie, MN, UNITED STATES  
Taton, Kristin S., Little Canada, MN, UNITED STATES  
Wall, John V., Woodbury, MN, UNITED STATES  
PATENT ASSIGNEE(S): SurModics, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003129130	A1	20030710
APPLICATION INFO.:	US 2002-261110	A1	20020930 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-327441P	20011005 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KAGAN BINDER, PLLC, SUITE 200, MAPLE ISLAND BUILDING, 221 MAIN STREET NORTH, STILLWATER, MN, 55082	
NUMBER OF CLAIMS:	50	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Page(s)	

LINE COUNT: 1963

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Surface coatings including microparticles immobilized in a matrix of **polymeric** material on a substrate are described. The microparticles can also include an agent which can be useful for various applications, such as medical applications.

This invention relates to the field of surface coatings for use in various applications. More particularly, the invention relates to surface coating useful for drug delivery, imaging and other uses of microparticles immobilized via a **polymeric** matrix.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 8 OF 25 USPATFULL on STN

ACCESSION NUMBER: 2003:44387 USPATFULL

TITLE: Crosslinkable macromers

INVENTOR(S): Chudzik, Stephen J., St. Paul, MN, UNITED STATES

Clapper, David L., Shorewood, MN, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003031697	A1	20030213
APPLICATION INFO.:	US 2002-176203	A1	20020620 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-571525, filed on 16 May 2000, GRANTED, Pat. No. US 6410044		
	Continuation-in-part of Ser. No. US 1999-469976, filed on 21 Dec 1999, GRANTED, Pat. No. US 6156345 Division of Ser. No. US 1998-121248, filed on 23 Jul 1998, GRANTED, Pat. No. US 6007833		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-78607P	19980319 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FREDRIKSON & BYRON, P.A., 4000 PILLSBURY CENTER, 200 SOUTH SIXTH STREET, MINNEAPOLIS, MN, 55402	
NUMBER OF CLAIMS:	35	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1603	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A crosslinkable macromer system and related methods of preparing the system and using the system in the form of a crosslinked matrix between a tissue site and an implant article such as a tissue implant or on the porous surface of a prosthetic device. The macromer system includes two or more **polymer**-pendent **polymerizable** groups and one or more initiator groups (e.g., **polymer**-pendent initiator groups). The **polymerizable** groups and the initiator group(s), when **polymer**-pendent, can be pendent on the same or different **polymeric** backbones. The macromer system provides advantages over the use of **polymerizable** macromers and separate, low molecular weight initiators, including advantages with respect to such properties as nontoxicity, efficiency, and solubility. A macromer system of the invention can be used as an interface between the tissue site and implant article in a manner sufficient to permit tissue growth through the crosslinked matrix and between the tissue site and implant. In a preferred embodiment, **polymers** with pendent **polymerizable** groups, for use in the macromer system, are prepared by reacting a polysaccharide **polymer** with a reactive moiety in an organic, polar **solvent** such as formamide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 9 OF 25 USPATFULL on STN

ACCESSION NUMBER: 2002:227725 USPATFULL  
TITLE: **Antimicrobial** medical devices  
INVENTOR(S): Modak, Shanta M., River Edge, NJ, UNITED STATES  
Sampath, Lester A., Nyack, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002122876	A1	20020905
APPLICATION INFO.:	US 2000-746670	A1	20001222 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	BAKER & BOTTS, 30 ROCKEFELLER PLAZA, NEW YORK, NY, 10112		
NUMBER OF CLAIMS:	22		
EXEMPLARY CLAIM:	1		
LINE COUNT:	694		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present disclosure invention relates to medical devices treated with a solution comprising one or more solvents and a combination of **chlorhexidine** free base and a **water**-soluble **chlorhexidine** salt in a weight/weight ratio of between about 1:1 to about 1:5, preferably about 1:1.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 10 OF 25 USPATFULL on STN

ACCESSION NUMBER: 2002:152227 USPATFULL  
TITLE: Crosslinkable macromers  
INVENTOR(S): Chudzik, Stephen J., St. Paul, MN, United States  
Clapper, David L., Shorewood, MN, United States  
PATENT ASSIGNEE(S): Surmodics, Inc., Eden Prairie, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6410044	B1	20020625
APPLICATION INFO.:	US 2000-571525		20000516 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-469976, filed on 21 Dec 1999, now patented, Pat. No. US 6156345 Division of Ser. No. US 1998-121248, filed on 23 Jul 1998, now patented, Pat. No. US 6007833		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-78607P	19980319 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Russel, Jeffrey E.	
LEGAL REPRESENTATIVE:	Frederickson & Byron, P.A.	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)	
LINE COUNT:	1475	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A crosslinkable macromer system and related methods of preparing the system and using the system in the form of a crosslinked matrix between a tissue site and an implant article such as a tissue implant or on the porous surface of a prosthetic device. The macromer system includes two or more **polymer**-pendent **polymerizable** groups and one or more initiator groups (e.g., **polymer**-pendent initiator groups). The **polymerizable** groups and the initiator group(s), when **polymer**-pendent, can be pendent on the same or different **polymeric** backbones. The macromer system provides advantages



over the use of **polymerizable** macromers and separate, low molecular weight initiators, including advantages with respect to such properties as nontoxicity, efficiency, and solubility. A macromer system of the invention can be used as an interface between the tissue site and implant article in a manner sufficient to permit tissue growth through the crosslinked matrix and between the tissue site and implant. In a preferred embodiment, **polymers** with pendent **polymerizable** groups, for use in the macromer system, are prepared by reacting a polysaccharide **polymer** with a reactive moiety in an organic, polar **solvent** such as formamide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 11 OF 25 USPATFULL on STN

ACCESSION NUMBER: 2002:78246 USPATFULL  
TITLE: Medicament incorporation matrix  
INVENTOR(S): Chudzik, Stephen J., St. Paul, MN, UNITED STATES  
Everson, Terrence P., Eagan, MN, UNITED STATES  
Amos, Richard A., St. Anthony, MN, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002041899	A1	20020411
APPLICATION INFO.:	US 2001-901425	A1	20010709 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-225465P	20000815 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FREDRIKSON & BYRON, P.A., 1100 International Center, 900 Second Avenue South, Minneapolis, MN, 55402	
NUMBER OF CLAIMS:	78	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1677	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A coating composition, in both its uncrosslinked and crosslinked forms, for use in delivering a medicament from the surface of a medical device positioned in vivo. Once crosslinked, the coating composition provides a gel matrix adapted to contain the medicament in a form that permits the medicament to be released from the matrix in a prolonged, controlled, predictable and effective manner in vivo. A composition includes a polyether monomer, such as an alkoxy poly(alkylene glycol), a carboxylic acid-containing monomer, such as (meth)acrylic acid, a photoderivatized monomer, and a hydrophilic monomer such as acrylamide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 12 OF 25 USPATFULL on STN

ACCESSION NUMBER: 2002:37940 USPATFULL  
TITLE: Deep penetrating **antimicrobial** compositions  
INVENTOR(S): JAMPANI, HANUMAN B., GRAPEVINE, TX, UNITED STATES  
NEWMAN, ANTHONY W., FORT WORTH, TX, UNITED STATES  
NEWMAN, JERRY L., ARLINGTON, TX, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002022660	A1	20020221
APPLICATION INFO.:	US 1999-460014	A1	19991213 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1998-9596, filed on 20 Jan 1998, GRANTED, Pat. No. US 6022551		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	JAMES J. HARRINGTON, JOHNSON & JOHNSON, ONE JOHNSON &		

JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003

NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
LINE COUNT: 1064

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Deep penetrating **antimicrobial** compositions are disclosed which provide instant and persistent (long lasting) **antimicrobial** activity. The **antimicrobial** compositions are comprised of **antimicrobial** components and a combination of surfactants that do not include anionic surfactants.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 13 OF 25 USPATFULL on STN

ACCESSION NUMBER: 2001:119393 USPATFULL  
TITLE: Triclosan and silver compound containing medical devices  
INVENTOR(S): Modak, Shanta, River Edge, NJ, United States  
Sampath, Lester, Nyack, NY, United States

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001010016	A1	20010726
APPLICATION INFO.:	US 2001-777121	A1	20010205 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-281872, filed on 31 Mar 1999, GRANTED, Pat. No. US 6224579		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	BAKER & BOTTS, 30 ROCKEFELLER PLAZA, NEW YORK, NY, 10112		
NUMBER OF CLAIMS:	38		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1571		

AB The present invention relates to **polymeric** medical articles comprising combinations of triclosan and silver-containing compounds. It is based, at least in part, on the discovery that these agents act synergistically, thereby permitting the use of relatively low levels of both agents. While it had been previously found that triclosan can be particularly useful when used in conjunction with **chlorhexidine**, it has been further discovered that medical articles having suitable **antimicrobial** properties may be prepared, according to the present invention, which contain triclosan without **chlorhexidine**. Such medical articles offer the advantage of preventing or inhibiting infection while avoiding undesirable adverse reactions to **chlorhexidine** by individuals that may have sensitivity to **chlorhexidine**.

L6 ANSWER 14 OF 25 USPATFULL on STN

ACCESSION NUMBER: 2001:93111 USPATFULL  
TITLE: Therapeutic **antimicrobial** compositions  
INVENTOR(S): Jampani, Hanuman B., Grapevine, TX, United States  
Newman, Jerry L., Arlington, TX, United States  
Ellis, Timothy, Arlington, TX, United States  
PATENT ASSIGNEE(S): Ethicon, Inc., Somerville, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6248343	B1	20010619
APPLICATION INFO.:	US 1999-460031		19991213 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1998-9596, filed on 20 Jan 1998, now patented, Pat. No. US 6022551		
DOCUMENT TYPE:	Utility		

FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Dodson, Shelley A.  
ASSISTANT EXAMINER: Lamm, Marina  
LEGAL REPRESENTATIVE: Shatynski, Theodore  
NUMBER OF CLAIMS: 22  
EXEMPLARY CLAIM: 1  
LINE COUNT: 1232

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB **Antimicrobial alcohol**-containing compositions and methods of using the compositions to disinfect surfaces and provide therapeutic benefits are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 15 OF 25 USPATFULL on STN

ACCESSION NUMBER: 2001:62958 USPATFULL

TITLE: Triclosan and silver compound containing medical devices

INVENTOR(S): Modak, Shanta, River Edge, NJ, United States  
Sampath, Lester, Nyack, NY, United States

PATENT ASSIGNEE(S): The Trustees of Columbia University in the City of New York, New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6224579	B1	20010501
APPLICATION INFO.:	US 1999-281872		19990331 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Kennedy, Sharon		
LEGAL REPRESENTATIVE:	Baker Botts L.L.P.		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1488		

AB The present invention relates to **polymeric** medical articles comprising combinations of triclosan and silver-containing compounds. It is based, at least in part, on the discovery that these agents act synergistically, thereby permitting the use of relatively low levels of both agents. While it had been previously found that triclosan can be particularly useful when used in conjunction with **chlorhexidine**, it has been further discovered that medical articles having suitable **antimicrobial** properties may be prepared, according to the present invention, which contain triclosan without **chlorhexidine**. Such medical articles offer the advantage of preventing or inhibiting infection while avoiding undesirable adverse reactions to **chlorhexidine** by individuals that may have sensitivity to **chlorhexidine**.

L6 ANSWER 16 OF 25 USPATFULL on STN

ACCESSION NUMBER: 2000:164105 USPATFULL

TITLE: Crosslinkable macromers bearing initiator groups

INVENTOR(S): Chudzik, Stephen J., St. Paul, MN, United States  
Anderson, Aron B., Minnetonka, MN, United States

PATENT ASSIGNEE(S): SurModics, Inc., Eden Prairie, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6156345		20001205
APPLICATION INFO.:	US 1999-469976		19991221 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-121248, filed on 23 Jul 1998, now patented, Pat. No. US 6007833		
DOCUMENT TYPE:	Utility		

FILE SEGMENT: Granted  
PRIMARY EXAMINER: Russel, Jeffrey E.  
LEGAL REPRESENTATIVE: Fredrikson & Byron, P.A.  
NUMBER OF CLAIMS: 3  
EXEMPLARY CLAIM: 1  
LINE COUNT: 1201

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A crosslinkable macromer system that includes two or more **polymer**-pendent **polymerizable** groups and one or more **polymer**-pendent initiator groups. The **polymerizable** groups and the initiator group(s) can be pendent on the same or different **polymeric** backbones. The macromer system provides advantages over the use of **polymerizable** macromers and separate, low molecular weight initiators, including advantages with respect to such properties as nontoxicity, efficiency, and solubility.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 17 OF 25 USPATFULL on STN

ACCESSION NUMBER: 2000:94713 USPATFULL  
TITLE: Silver-based **antimicrobial** compositions  
INVENTOR(S): Capelli, Christopher C., 311 Hawthorn Ave., Marshfield, WI, United States 54449  
PATENT ASSIGNEE(S): Capelli, Christopher C., Kenosha, WI, United States (U.S. individual)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6093414		20000725
APPLICATION INFO.:	US 1997-909239		19970811 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Weddington, Kevin E.		
LEGAL REPRESENTATIVE:	Medlen & Carroll, LLP		
NUMBER OF CLAIMS:	38		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2043		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates generally to silver-based **antimicrobial** compositions and processes for making such compositions. More particularly, the present invention describes stable, purified silver-based **antimicrobial** compositions, and processes for making such compositions, comprising carrier-free silver thiosulfate ion complexes either suspended in a base or incorporated into a matrix. These silver thiosulfate ion complex **antimicrobial** compositions are useful in the treatment and prevention of infections and diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 18 OF 25 USPATFULL on STN

ACCESSION NUMBER: 2000:31460 USPATFULL  
TITLE: Composition for inactivating irritants in fluids  
INVENTOR(S): Modak, Shanta M., Riveredge, NJ, United States  
Sampath, Lester A., Nyack, NY, United States  
Advani, Balram H., Upper Saddle River, NJ, United States  
PATENT ASSIGNEE(S): The Trustees of Columbia University in the City of New York, New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6037386		20000314
APPLICATION INFO.:	US 1999-387550		19990831 (9)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1997-871071, filed on 9 Jun 1997, now patented, Pat. No. US 5965610 which is a continuation-in-part of Ser. No. US 492080

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Nutter, Nathan M.  
LEGAL REPRESENTATIVE: Baker Botts, L.L.P.  
NUMBER OF CLAIMS: 9  
EXEMPLARY CLAIM: 1  
LINE COUNT: 1461

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to zinc gluconate gel-containing topical compositions which have an anti-irritant effect on the skin. In particular embodiments, the gel matrix may further comprise **chlorhexidine** gluconate, wherein the zinc gluconate gel diminishes the irritant and/or allergenic effect of the **chlorhexidine** gluconate.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 19 OF 25 USPATFULL on STN

ACCESSION NUMBER: 1999:170227 USPATFULL  
TITLE: Crosslinkable macromers bearing initiator groups  
INVENTOR(S): Chudzik, Stephen J., St. Paul, MN, United States  
Anderson, Aron B., Minnetonka, MN, United States  
PATENT ASSIGNEE(S): SurModics, Inc., Eden Prairie, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6007833		19991228
APPLICATION INFO.:	US 1998-121248		19980723 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Russel, Jeffrey E.		
LEGAL REPRESENTATIVE:	Fredrikson & Byron, P.A.		
NUMBER OF CLAIMS:	44		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1419		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A crosslinkable macromer system that includes two or more **polymer-pendent polymerizable** groups and one or more **polymer-pendent** initiator groups. The **polymerizable** groups and the initiator group(s) can be pendent on the same or different **polymeric** backbones. The macromer system provides advantages over the use of **polymerizable** macromers and separate, low molecular weight initiators, including advantages with respect to such properties as nontoxicity, efficiency, and solubility.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 20 OF 25 USPATFULL on STN

ACCESSION NUMBER: 1999:124946 USPATFULL  
TITLE: Composition for inactivating irritants in fluids  
INVENTOR(S): Modak, Shanta M., Riveredge, NJ, United States  
Sampath, Lester A., Nyack, NY, United States  
Advani, Balram H., Upper Saddle River, NJ, United States  
PATENT ASSIGNEE(S): The Trustees of Columbia University in the city of New York, New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5965610		19991012

APPLICATION INFO.: US 1997-871071 19970609 (8)  
 RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 492080  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Nutter, Nathan M.  
 LEGAL REPRESENTATIVE: Baker & Botts, L.L.P.  
 NUMBER OF CLAIMS: 15  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 1486

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to zinc gluconate gel-containing topical compositions which have an anti-irritant effect on the skin. In particular embodiments, the gel matrix may further comprise **chlorhexidine** gluconate, wherein the zinc gluconate gel diminishes the irritant and/or allergenic effect of the **chlorhexidine** gluconate.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 21 OF 25 USPATFULL on STN

ACCESSION NUMBER: 1998:4622 USPATFULL

TITLE: Zinc gluconate gel compositions

INVENTOR(S): Modak, Shanta M., Riveredge, NJ, United States  
 Sampath, Lester A., Nyack, NY, United States  
 Advani, Balram H., Upper Saddle River, NJ, United States

PATENT ASSIGNEE(S): The Trustees of Columbia University in the City of New York, NY, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5708023		19980113
	WO 9526138		19951005
APPLICATION INFO.:	US 1995-492080		19950628 (8)
	WO 1995-US3744		19950328
			19950628 PCT 371 date
			19950628 PCT 102(e) date
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1994-218666, filed on 28 Mar 1994, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Jarvis, William R. A.		
LEGAL REPRESENTATIVE:	Brumbaugh, Graves, Donohue & Raymond		
NUMBER OF CLAIMS:	44		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1464		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A composition of matter containing zinc gluconate gel as an irritant-inactivating agent, and a substance which substantially prevents the irritant-inactivating agent from binding to the surface, wherein the irritant-inactivating agent in the composition is present in an amount effective to inactivate irritants in fluids which contact the composition, is described. Surgical instruments and physical barriers with the aforementioned composition applied thereto are also described. A method of inactivating irritants in a fluid contacting skin comprising applying the aforementioned composition to the skin is also disclosed. A method of inactivating irritants in a fluid contacting skin covered with a physical barrier comprising applying the aforementioned composition to the skin is also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 22 OF 25 USPATFULL on STN

ACCESSION NUMBER: 94:53295 USPATFULL

TITLE: Moisture-vapor-permeable dressing  
INVENTOR(S): Shah, Kishore R., Bridgewater, NJ, United States  
Kydonieus, Agis, Kendall Park, NJ, United States  
Apostolopoulos, Dimitrios, Highland Park, NJ, United States  
PATENT ASSIGNEE(S): Hercon Laboratories Corporation, New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5322695		19940621
APPLICATION INFO.:	US 1992-932747		19920825 (7)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1991-771858, filed on 19 Oct 1991, now abandoned which is a continuation of Ser. No. US 1987-2024, filed on 9 Jan 1987, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Cintins, Marianne M.		
ASSISTANT EXAMINER:	Scalzo, Catherine		
LEGAL REPRESENTATIVE:	Sughrue, Mion, Zinn, Macpeak & Seas		
NUMBER OF CLAIMS:	11		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	1076		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Described is a moisture-vapor-permeable and oxygen-permeable adhesive dressing for use in supplying a topical medicament to human skin in a controlled release manner, which dressing is unaffected by and impermeable to **water** in the liquid phase, which dressing when in use on human skin consists essentially of:

(i) a **polymeric** backing material lamina having two surfaces, a first substantially planar surface and a second substantially planar surface;

(ii) adhering to said first planar surface of said backing material a medication reservoir lamina having two surfaces, a first substantially planar surface and a second substantially planar surface, consisting essentially of an intimate mixture of:

(a) a polyvinyl chloride **polymer**;

(b) a **polymeric** plasticizer intimately admixed with said polyvinyl chloride and compatible with said polyvinyl chloride; and

(c) a topical medicament compatible with said polyvinyl chloride and said plasticizer;

said first substantially planar surface of said medication reservoir lamina adhering to said first substantially planar surface of said backing material in a continuous or discontinuous manner; and

(iii) adhering to said second substantially planar surface of said medication reservoir lamina, a pressure-sensitive adhesive which is permeable to oxygen and moisture vapor but is unaffected by liquid **water**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 23 OF 25 USPATFULL on STN

ACCESSION NUMBER: 93:74292 USPATFULL

TITLE: Sustained release compositions for treating periodontal disease

INVENTOR(S): Damanj, Nalinkant C., Cincinnati, OH, United States

PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5242910		19930907
APPLICATION INFO.:	US 1992-960614		19921013 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Rose, Shep K.		
LEGAL REPRESENTATIVE:	Schaeffer, J. D., Mohl, D. C., Zerby, K. W.		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
LINE COUNT:	334		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to compositions/devices and methods for treating diseases of the oral cavity in humans and lower animals using polylactide/glycolide compositions/devices also containing triacetin for releasing drugs in the oral cavity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 24 OF 25 USPATFULL on STN

ACCESSION NUMBER: 93:24697 USPATFULL  
TITLE: Sustained release compositions for treating periodontal disease  
INVENTOR(S): Damani, Nalinkant C., Cincinnati, OH, United States  
PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5198220		19930330
APPLICATION INFO.:	US 1990-573604		19900824 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1989-439066, filed on 17 Nov 1989, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
LEGAL REPRESENTATIVE:	Mohl, Douglas C., Zerby, Kim William, Schaeffer, Jack D.		
NUMBER OF CLAIMS:	7		
EXEMPLARY CLAIM:	1		
LINE COUNT:	359		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to compositions/devices and methods for treating diseases of the oral cavity in humans and lower animals using polylactide/glycolide compositions/devices for releasing drugs in the oral cavity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 25 OF 25 EUROPATFULL COPYRIGHT 2004 WILA on STN

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 788305 EUROPATFULL EW 200445 FS PS  
TITLE: COMPOSITION FOR INACTIVATING IRRITANTS IN FLUIDS.  
ZUSAMMENSETZUNG ZUM INAKTIVIEREN VON REIZSTOFFEN IN FLUESSIGKEITEN.  
COMPOSITION POUR L'INACTIVATION D'AGENTS IRRITANTS DANS DES LIQUIDES.  
INVENTOR(S): MODAK, Shanta, M., 184 Howland Avenue, Riveredge, NJ 07661, US;



SAMPATH, Lester, A., 7 Lawrence Street, Nyack, NY 10960, US;  
 ADVANI, Balram, H., 516 West Saddle River Road, Upper Saddle River, NJ 07458, US  
 PATENT ASSIGNEE(S): The Trustees of Columbia University in the City of New York, Broadway and West 116th Street, New York, NY 10027-6699, US  
 PATENT ASSIGNEE NO: 477540  
 AGENT: Schwarz, Albin, Dr. et al., Kopecky & Schwarz Patentanwalte Wipplingerstrasse 32/22, 1010 Wien, AT 69991  
 AGENT NUMBER:  
 OTHER SOURCE: MEPB2004051 EP 0788305 B1 0013  
 SOURCE: Wila-EPS-2004-H45-T3  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch  
 DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R SE  
 PATENT INFO.PUB.TYPE: EPB1 EUROPAEISCHE PATENTSCHRIFT (Internationale Anmeldung)  
 PATENT INFORMATION:

	PATENT NO	KIND	DATE
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'OFFENLEGUNGS' DATE:	EP 788305	B1	20041103
APPLICATION INFO.:	EP 1995-914878		19970813
PRIORITY APPLN. INFO.:	US 1994-218666		19950328
RELATED DOC. INFO.:	WO 95-US3744	950328	INTAKZ
	WO 1995026134	951005	INTPNR
REFERENCE PAT. INFO.:	EP 402078 A	EP 521455	A
	EP 694310 A	WO 84-00111	A
	WO 87-04350 A	WO 88-03799	A
	WO 89-05645 A	WO 93-07903	A
	WO 93-18745 A	WO 94-15461	A
	DE 3443985 A	US 5031245	A
	US 5089205 A	US 5133090	A
REF. NON-PATENT-LIT.:	USP-DI 1989, Ninth Edition, Volume IA, BANTA COMPANY, VIR, "Drug Information for the Healt Care Professional", pages 729-793. THE MACMILLAN COMPANY, 1970, 4th Edition, "The Pharmacological Basis of Therapeutics", page 989		

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